

**ABSTRACT**

The present invention relates to a pharmaceutical or vaccine composition comprising a nucleic acid molecule encoding a tumor-associated antigen and at least one peptide comprising a region corresponding to a putative cytotoxic T cell, helper T cell or B cell epitope of a tumor-associated antigen and/or cells pulsed with such peptides, optionally in combination with a pharmaceutically acceptable carrier. Such pharmaceutical compositions can be used for the treatment of cancer or for the vaccination against cancer.